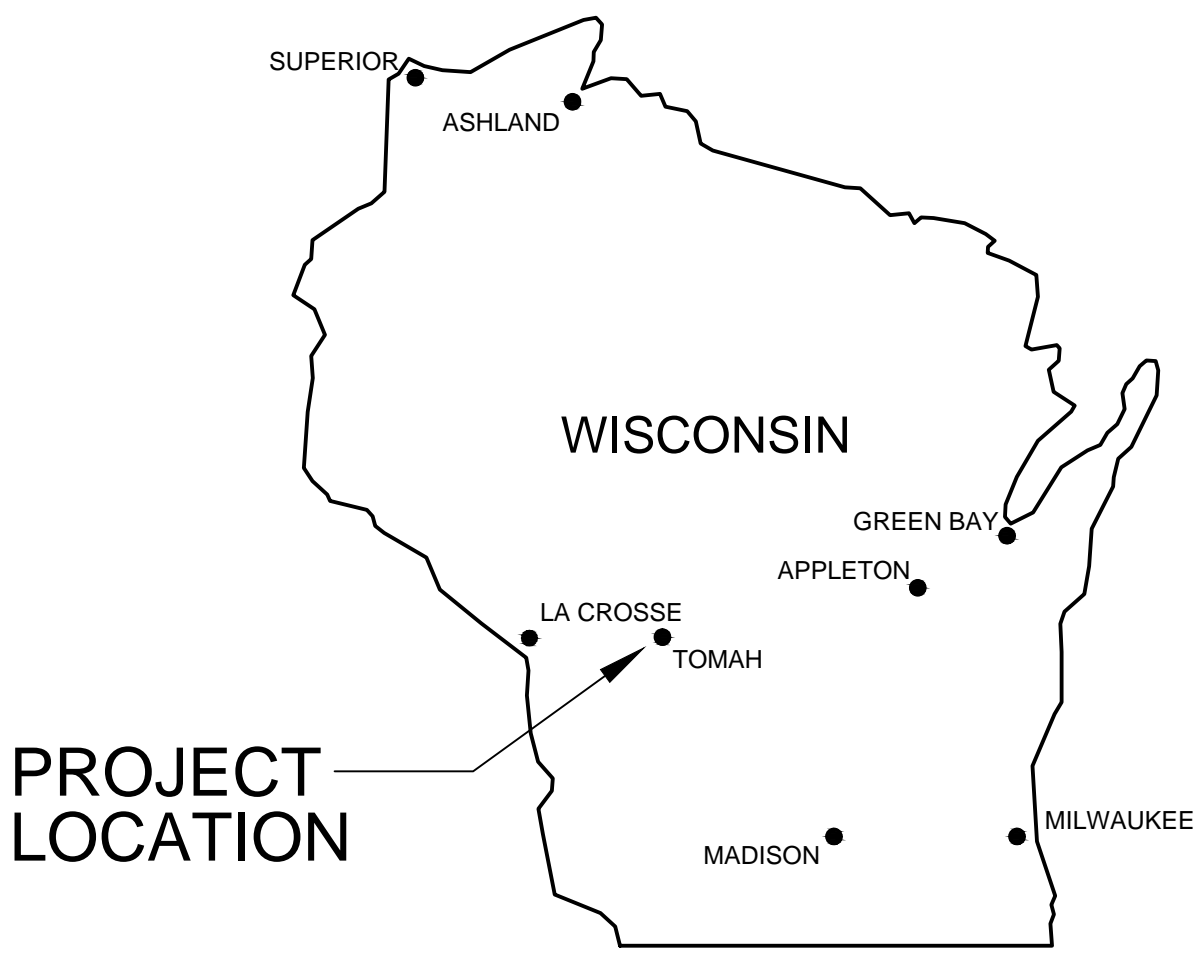


VA MEDICAL CENTER, TOMAH, WI

500 E. VETERAN'S STREET
TOMAH, WI

CONSTRUCT PARKING LOT - BUILDING 401
PROJECT NO.: 676-12-025

LOCATION MAP



PROJECT TEAM

PROJECT LEADER
CHEQUAMEGON BAY ENGINEERING, INC.
ASHLAND, WI
211 6TH STREET WEST
SUITE 200
ASHLAND, WI 54806
PHONE: (715) 682-6004
FAX: (715) 682-6025
MILWAUKEE, WI
1100 N. MAYFAIR RD.,
SUITE 200
MILWAUKEE, WI 53226
PHONE: (414) 258-6004
FAX: (414) 258-6154

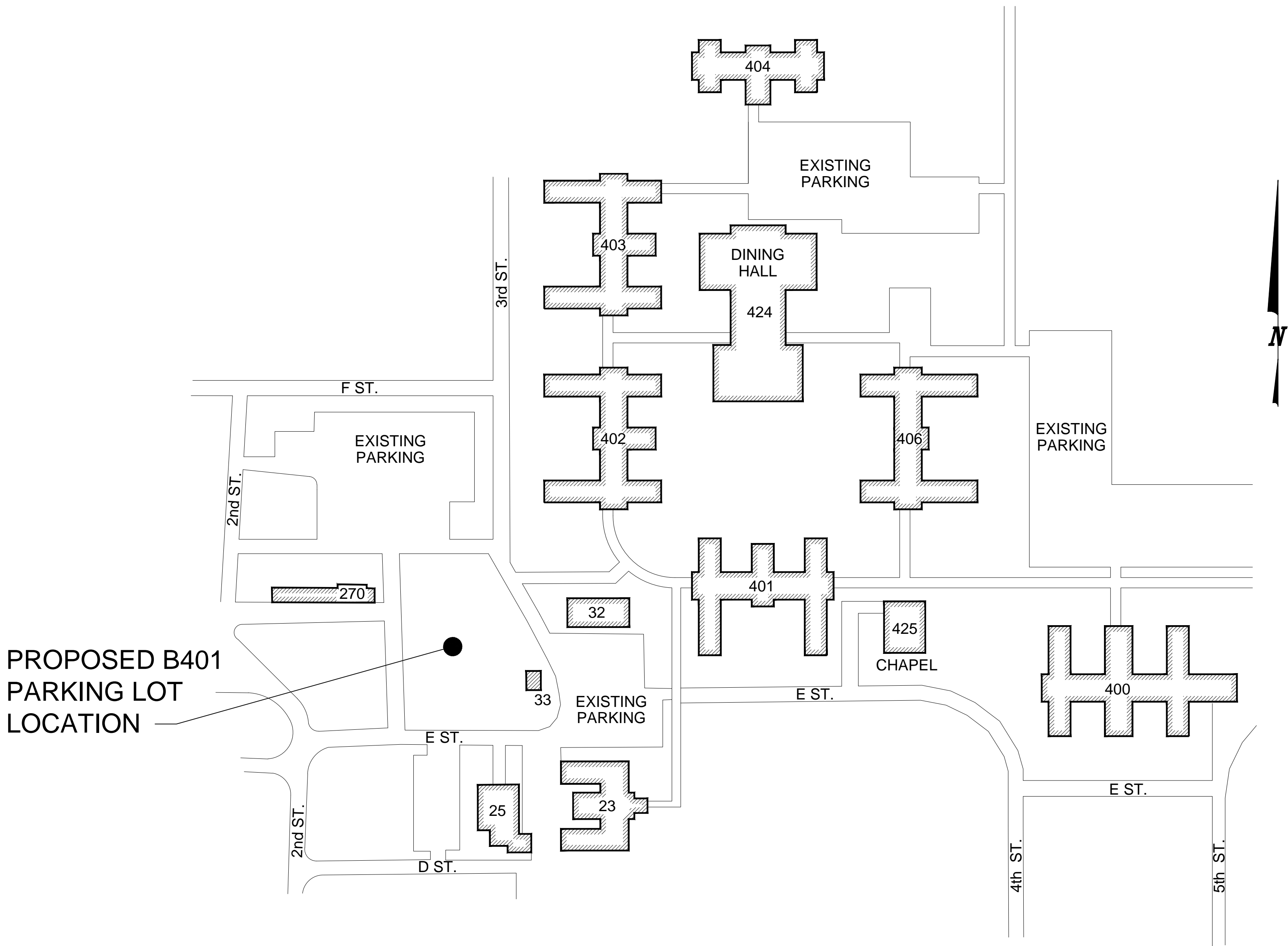
CIVIL ENGINEER
CHEQUAMEGON BAY ENGINEERING, INC.
ASHLAND, WI
211 6TH STREET WEST
SUITE 200
ASHLAND, WI 54806
PHONE: (715) 682-6004
FAX: (715) 682-6025
MILWAUKEE, WI
1100 N. MAYFAIR RD.,
SUITE 200
MILWAUKEE, WI 53226
PHONE: (414) 258-6004
FAX: (414) 258-6154

SITE LIGHTING
CMG & ASSOCIATES, INC.
DEFOREST, WI
138 WEST HOLM STREET
DEFOREST, WI 53532
PHONE: (608) 842-0700
FAX: (608) 842-0701

SHEET INDEX

DRAWING SHEET INDEX	
SHEET NO.	SHEET TITLE
G100	TITLE SHEET, PROJECT INFORMATION, & SHEET INDEX
C100	EXISTING SITE PLAN, SITE DEMOLITION
C101	PARKING LOT LAYOUT PLAN
C102	GRADING AND EROSION CONTROL PLAN
C103	PAVING, STRIPING, & SIGNING PLAN
C500	DETAILS
ES000	SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES
ES100	SITE LIGHTING PLAN - BUILDING B401 PARKING LOT
ES101	PHOTOMETRIC PLAN - BUILDING B401 PARKING LOT
ES500	ELECTRICAL DETAILS AND SCHEDULES

CAMPUS MAP



The location of underground utilities show on the plan sheets is approximate. There may be other underground utilities that are not shown. The contractor shall be responsible for determining the location of all utilities, and will be responsible for any damage to utilities. If the contractor determines that there is a conflict between existing utilities and proposed construction, the contractor shall notify the project engineer immediately so that the conflict may be resolved.

CONSTRUCTION DOCUMENTS
NOVEMBER 20, 2012

Revisions:	Date



Dept. of Veterans Affairs
Medical Center
500 E. Veterans Street
Tomah, WI, 54660

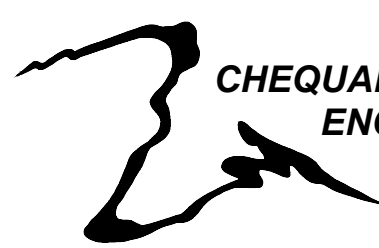


CONSULTANTS:



CMG & ASSOCIATES, INC.
138 WEST HOLM STREET
DEFOREST, WISCONSIN 53532
(608) 842-0700
SUSTAINABLE ENGINEERS AND
COMMISSIONING CONSULTANTS

PROJECT LEADER & CIVIL ENGINEERS:



**CHEQUAMEGON BAY
ENGINEERING, INC.**
© CRE 2002-2010
ASHLAND, WI
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ASHLAND, WI 54806
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FAX: (715) 682-6025
MILWAUKEE, WI
933 N. MAYFAIR RD.,
SUITE 100
MILWAUKEE, WI 53226
PHONE: (414) 258-6004
FAX: (414) 258-6154

Drawing Title
Title Sheet, Project Information, &
Sheet Index

Approved: Project Director

Project Title
Construct Parking Lot B-401

Location
Tomah, Wisconsin

Date
20 Nov. 2012

Checked By:
MAB

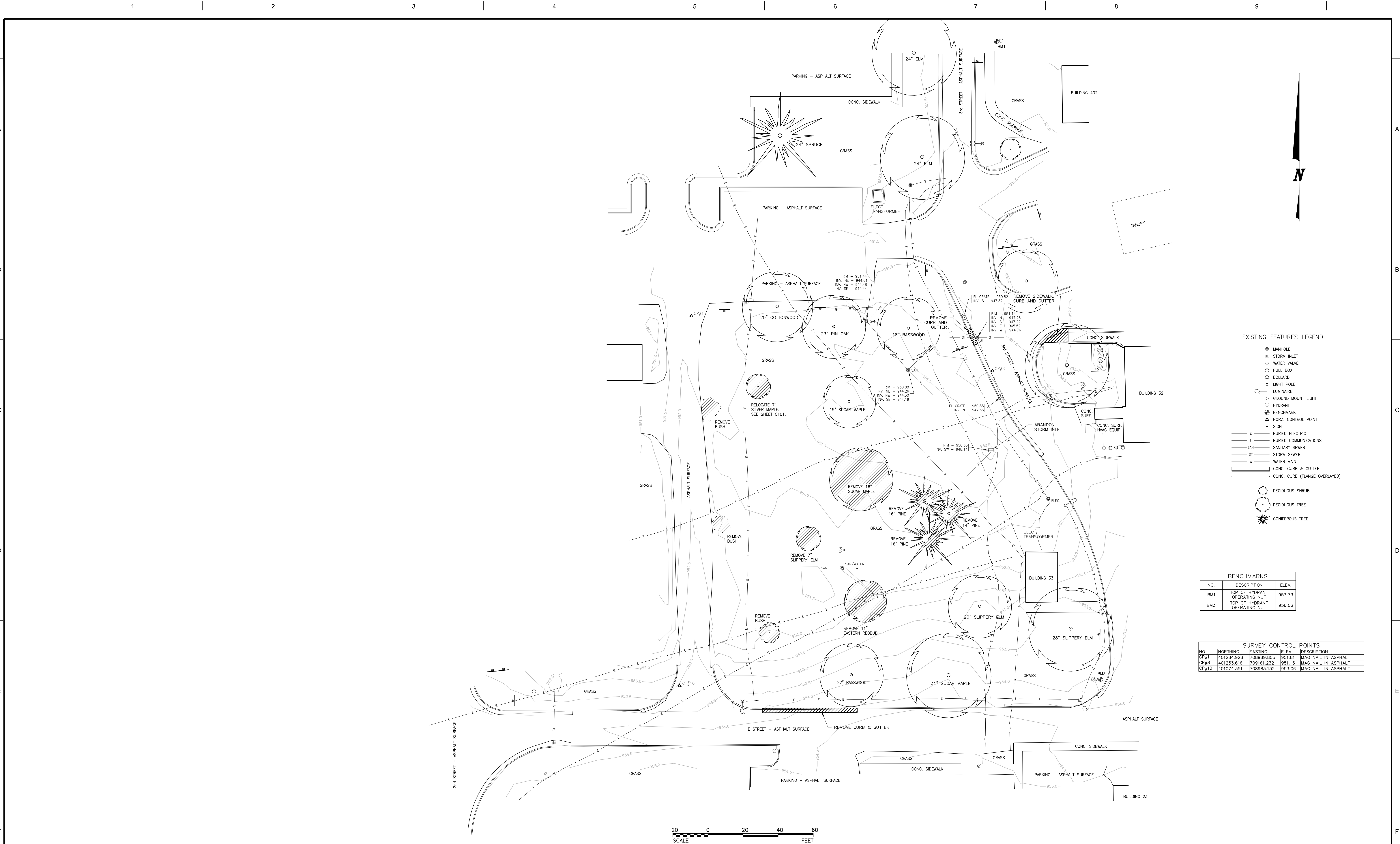
Drawn By:
JAS

Project Number
676-12-025
Building Number
401

Drawing Number
G100

Office of
Facilities
Management





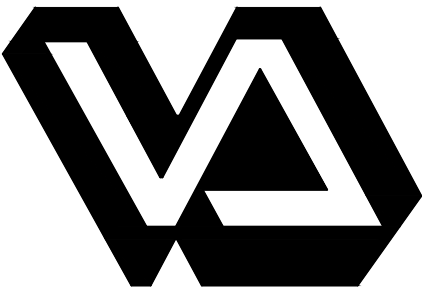




EXISTING FEATURES LEGEND

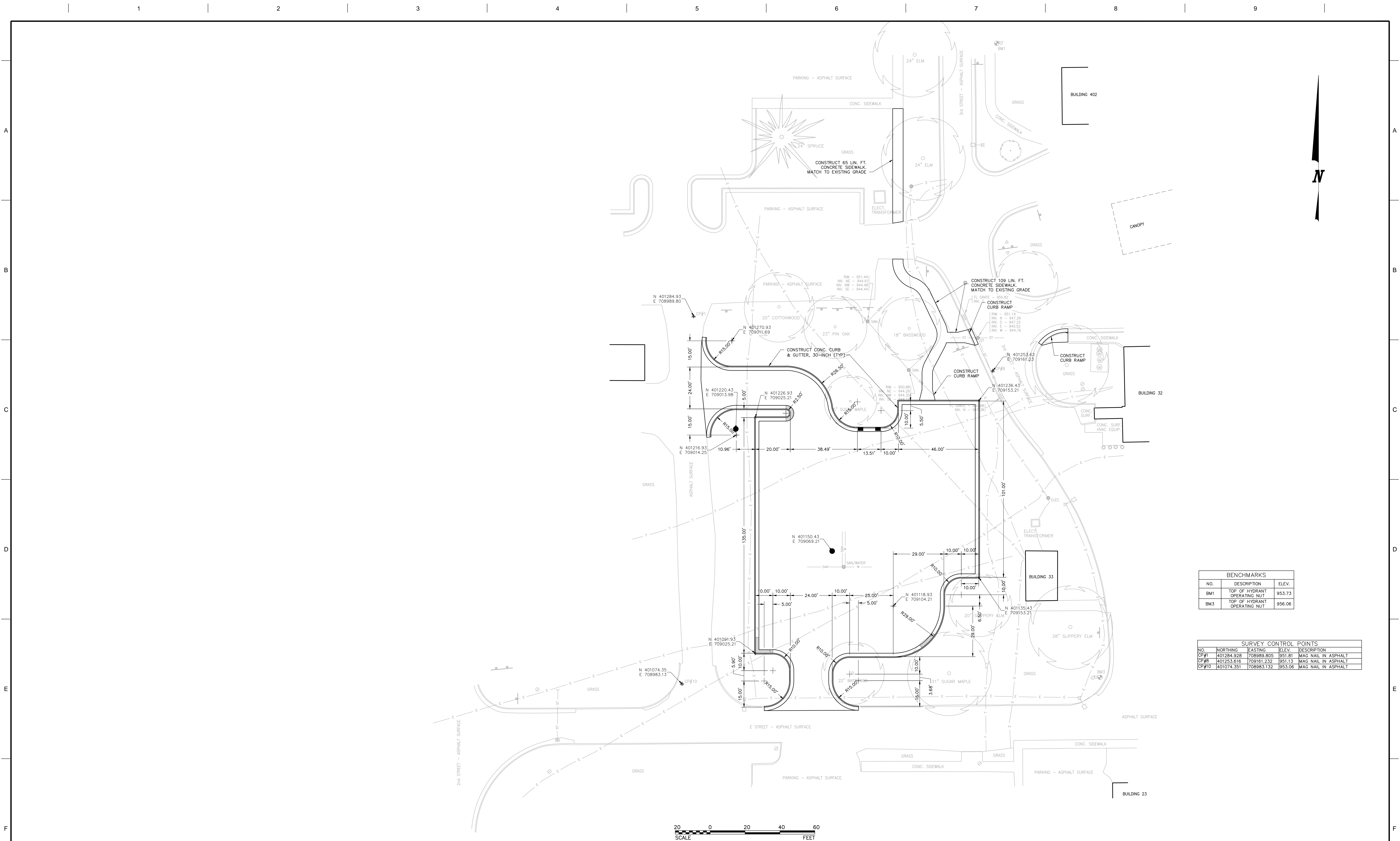
- MANHOLE
- STORM INLET
- WATER VALVE
- PULL BOX
- BOLLARD
- LIGHT POLE
- LUMINAIRE
- GROUND MOUNT LIGHT
- HYDRANT
- BENCHMARK
- HORZ. CONTROL POINT
- SIGN
- BURIED ELECTRIC
- BURIED COMMUNICATIONS
- SANITARY SEWER
- STORM SEWER
- WATER MAIN
- CONC. CURB & GUTTER
- CONC. CURB (FLANGE OVERLAYED)
- DECIDUOUS SHRUB
- DECIDUOUS TREE
- CONIFEROUS TREE

BENCHMARKS		
NO.	DESCRIPTION	ELEV.
BM1	TOP OF HYDRANT OPERATING NUT	953.73
BM3	TOP OF HYDRANT OPERATING NUT	956.06

SURVEY CONTROL POINTS				
NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
CP#1	401284.928	708989.805	951.81	MAG NAIL IN ASPHALT
CP#8	401253.616	709161.232	951.13	MAG NAIL IN ASPHALT
CP#10	401074.351	708983.132	953.06	MAG NAIL IN ASPHALT

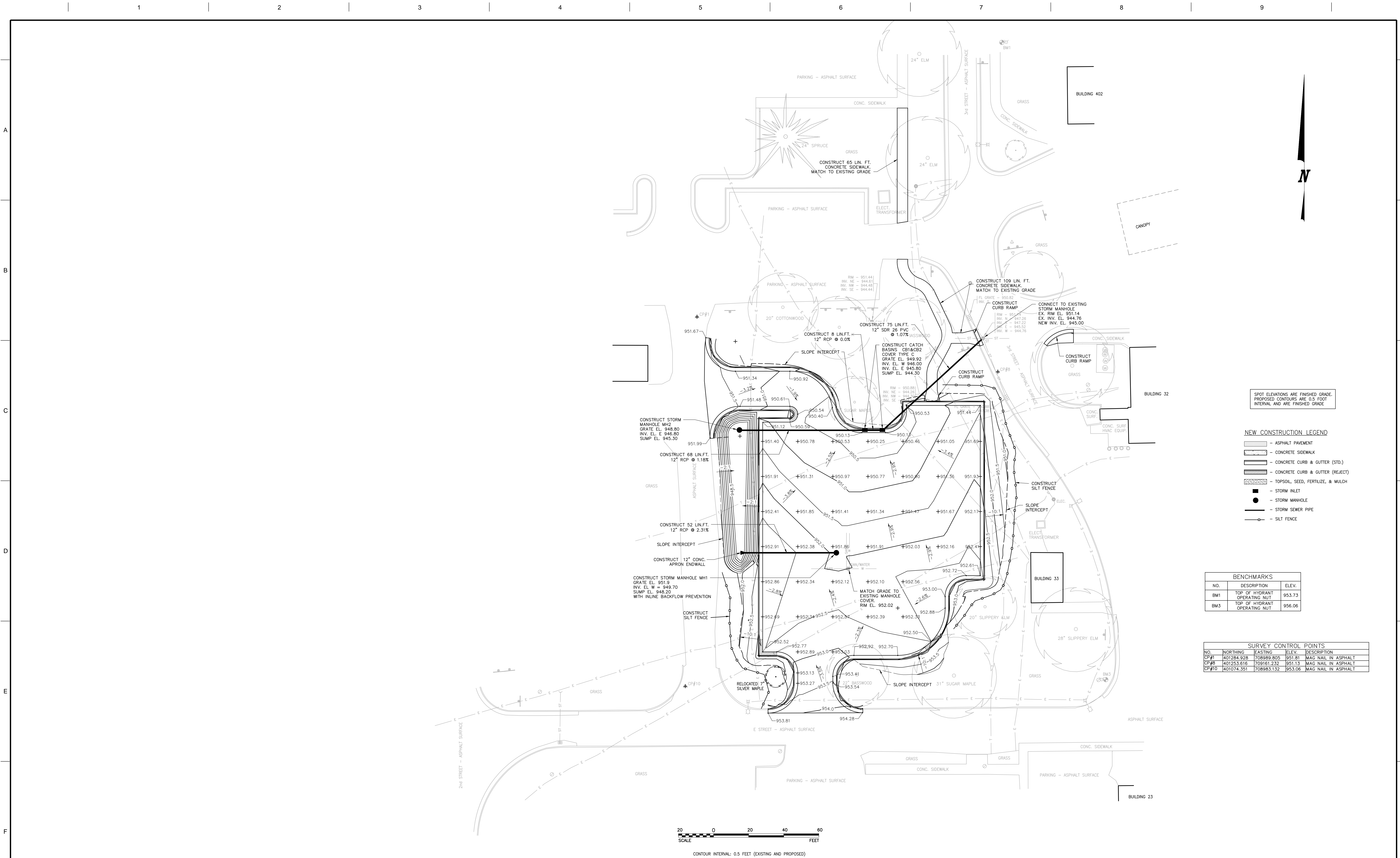
CONSTRUCTION DOCUMENTS
NOVEMBER 20, 2012

<div>Revisions:</div> <div>Date</div>		 <div>Dept. of Veterans Affairs Medical Center 500 E. Veterans Street Tomah, WI, 54660</div>		<div>CONSULTANTS:</div> <div><div>CMG & ASSOCIATES, INC. 138 WEST HOLM STREET DEFOREST, WISCONSIN 53532 (608) 842-0700</div></div> <div>SUSTAINABLE ENGINEERS AND COMMISSIONING CONSULTANTS</div>	<div>PROJECT LEADER & CIVIL ENGINEERS:</div> <div><div>CHEQUAMEGON BAY ENGINEERING, INC. © CRE 2002-2010</div></div> <div>ASHLAND, WI 211 6TH STREET WEST ASHLAND, WI 54806 PHONE: (715) 682-8004 FAX: (715) 682-8025 MILWAUKEE, WI 933 N. MAYFAIR RD., SUITE 100 MILWAUKEE, WI 53226 PHONE: (414) 238-8004 FAX: (414) 238-8104</div>	<div>Drawing Title</div> <div>Existing Site Plan, Site Demolition</div> <div>Approved: Project Director</div>	<div>Project Title</div> <div>Construct Parking Lot B-401</div> <div>Location</div> <div>Tomah, Wisconsin</div> <div>Date</div> <div>20 Nov. 2012</div> <div>Checked By:</div> <div>MAB</div> <div>Drawn By:</div> <div>JAS</div>	<div>Project Number</div> <div>676-12-025</div> <div>Building Number</div> <div>401</div> <div>Drawing Number</div> <div>C100</div>	<div>Office of Facilities Management</div> <div> Department of Veterans Affairs</div>
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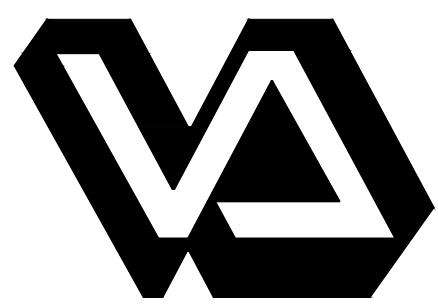
CONSTRUCTION DOCUMENTS
NOVEMBER 20, 2012

[illegible]



CONSTRUCTION DOCUMENTS
NOVEMBER 20, 2012

Revisions:	Date



Dept. of Veterans Affairs
Medical Center
500 E. Veterans Street
Tomah, WI, 54660



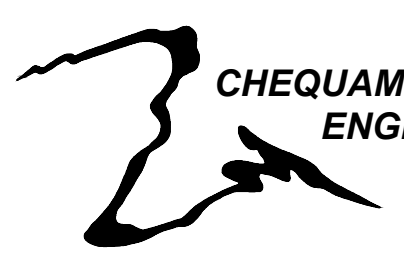
CONSULTANTS:



CMG & ASSOCIATES, INC.
138 WEST HOLM STREET
DEFOREST, WISCONSIN 53532
(608) 842-0700

SUSTAINABLE ENGINEERS AND
COMMISSIONING CONSULTANTS

PROJECT LEADER & CIVIL ENGINEERS:



**CHEQUAMEGON BAY
ENGINEERING, INC.**
© 2007-2010
ASHLAND, WI
211 6TH STREET WEST
ASHLAND, WI 54806
PHONE: (715) 682-6004
FAX: (715) 682-6025
MILWAUKEE, WI
933 N. MAYFAIR RD.,
SUITE 100
MILWAUKEE, WI 53228
PHONE: (414) 288-8004
FAX: (414) 288-8154

Drawing Title
**Grading and Erosion
Control Plan**

Approved: Project Director

Project Title
Construct Parking Lot B-401

Location
Tomah, Wisconsin

Date
20 Nov. 2012

Checked By:
MAB

Drawn By:
JAS

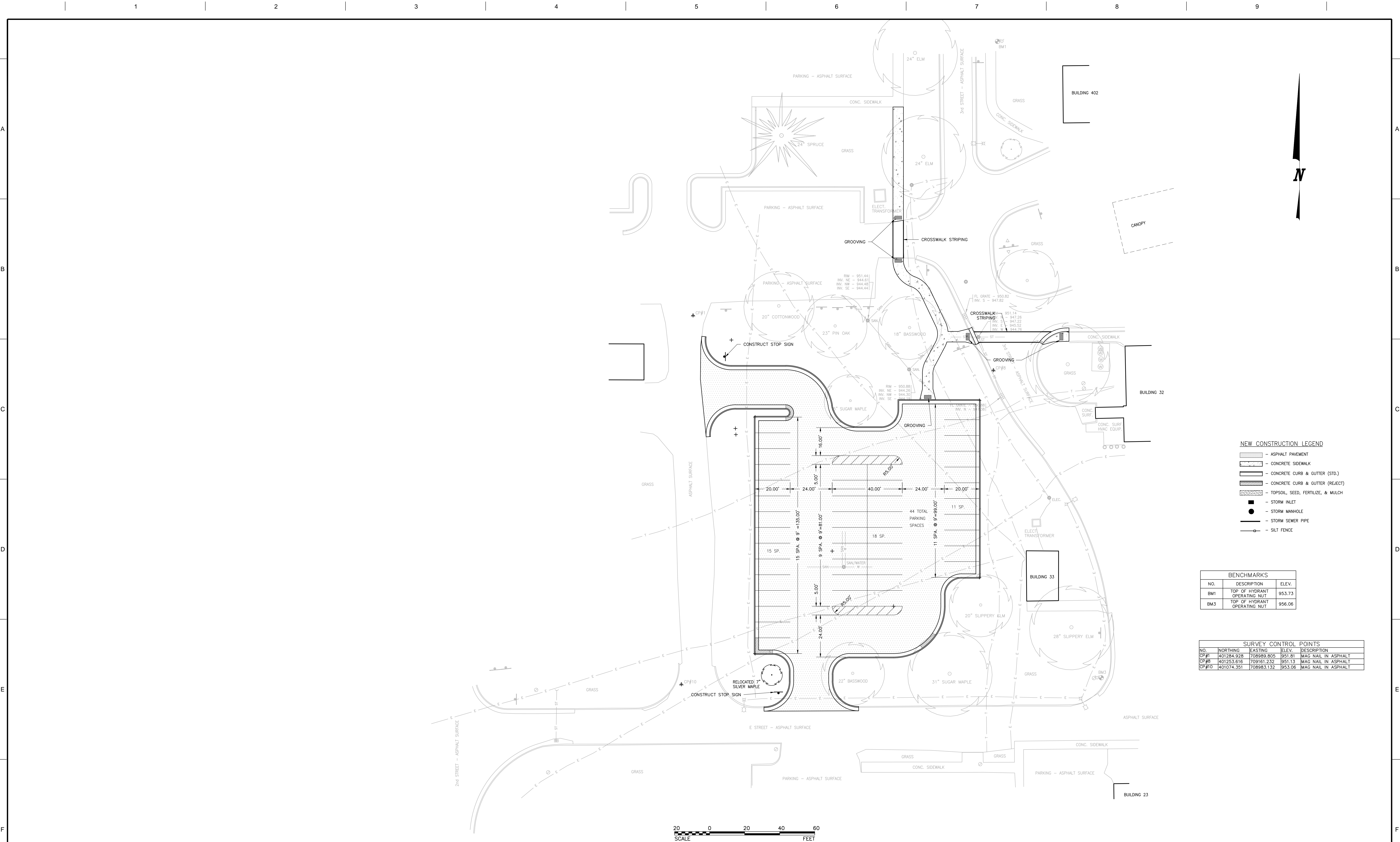
Project Number
676-12-025

Building Number
401

Drawing Number
C102

Office of
Facilities
Management

 Department of
Veterans Affairs








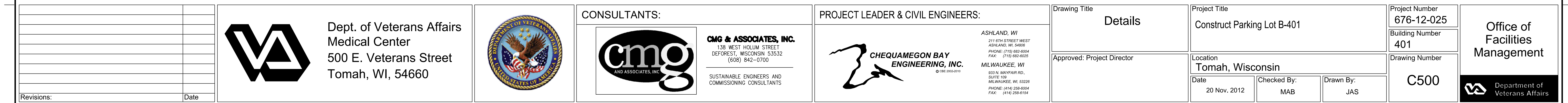
- NEW CONSTRUCTION LEGEND**
- ASPHALT PAVEMENT
 - CONCRETE SIDEWALK
 - CONCRETE CURB & GUTTER (STD.)
 - CONCRETE CURB & GUTTER (REJECT)
 - TOPSOIL, SEED, FERTILIZE, & MULCH
 - STORM INLET
 - STORM MANHOLE
 - STORM SEWER PIPE
 - SILT FENCE

BENCHMARKS		
NO.	DESCRIPTION	ELEV.
BM1	TOP OF HYDRANT OPERATING NUT	953.73
BM3	TOP OF HYDRANT OPERATING NUT	956.06

SURVEY CONTROL POINTS				
NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
CP#1	401284.928	708969.805	951.81	MAG NAIL IN ASPHALT
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CP#10	401074.351	708983.132	953.06	MAG NAIL IN ASPHALT

CONSTRUCTION DOCUMENTS
NOVEMBER 20, 2012

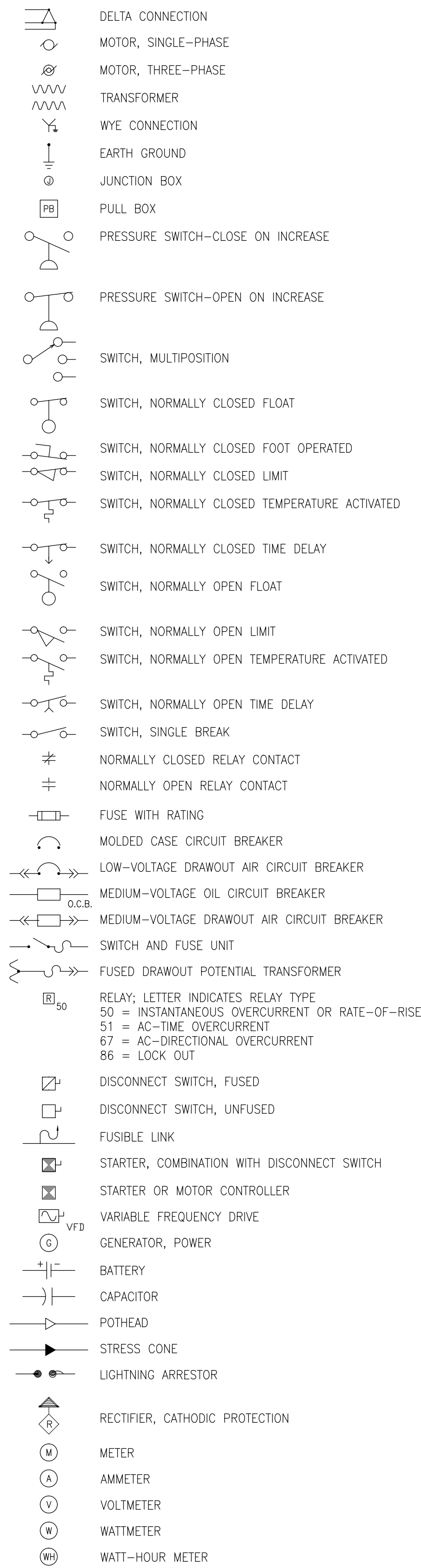
Revisions:	Date	 Dept. of Veterans Affairs Medical Center 500 E. Veterans Street Tomah, WI, 54660		CONSULTANTS:  CMG & ASSOCIATES, INC. 138 WEST HOLM STREET DEFOREST, WISCONSIN 53532 (608) 842-0700	PROJECT LEADER & CIVIL ENGINEERS:  CHEQUAMEGON BAY ENGINEERING, INC. 933 N. MAYFAIR RD., SUITE 109 MILWAUKEE, WI 53226 PHONE: (414) 238-8004 FAX: (414) 238-8154	Drawing Title Paving, Striping, & Signing Plan	Project Title Construct Parking Lot B-401	Location Tomah, Wisconsin	Date 20 Nov. 2012	Checked By: MAB	Drawn By: JAS	Project Number 676-12-025 Building Number 401 Drawing Number C103	Office of Facilities Management  Department of Veterans Affairs



ELECTRICAL ABBREVIATIONS

1PH	SINGLE-PHASE	G OR GND	GROUND OR GENERATOR
1P	SINGLE POLE	GEN	GENERATOR
2/C	TWO-CONDUCTOR	GFCI	GROUND FAULT CIRCUIT INTERRUPTER
3/C	THREE-CONDUCTOR	GTB	GROUND TERMINAL BOX
3PH	THREE-PHASE		
4/C	FOUR-CONDUCTOR	HID	HIGH INTENSITY DISCHARGE
4W	FOUR-WIRE	HOA	HAND-OFF-AUTOMATIC
		HP	HORSEPOWER
A/C UNIT	AIR CONDITIONING UNIT	HT	HEIGHT
A/E	ARCHITECT/ENGINEER	HZ	HERTZ
AFP	ALARM ANNUNCIATOR PANEL		
AC	ALTERNATING CURRENT OR ARMORED CABLE	IESNA	ILLUMINATION ENGINEERING SOCIETY OF NORTH AMERICA
ACC	ACCESSIBLE	IMC	INTERMEDIATE METAL CONDUIT
ADOL	ADDITIONAL	INCAND	INCANDESCENT
ADJ	ADJACENT, ADJOINING	IR	INFRARED
ADO	AUTOMATIC DOOR OPENER	IWH	INSTANTANEOUS WATER HEATER
AF	AMPERE FRAME OR AMP FUSE		
AFC	ABOVE FINISHED COUNTER, AUTOMATIC FREQUENCY CONTROL, OR AVAILABLE FAULT CURRENT	J-BOX	JUNCTION BOX
AF	ABOVE FINISHED FLOOR	kV	KILOVOLT
AFG	ABOVE FINISHED GRADE	kVA	KILOVOLT AMPERE
AH	AMPERE HOUR	kVAH	KILOVOLT AMPERE PER HOUR
AHU	AUTHORITY HAVING JURISDICTION	kVAR	KILOVOLT AMPERE REACTIVE
AIC	AMPERE INTERRUPTING CAPACITY	kW	KILOWATT
ALT	ALTERNATE	kWH	KILOWATT HOUR
AMB OR A	AMBIENT	kWHM	KILOWATT HOUR METER
AMP	AMPERE		
ARCH	ARCHITECT	LED	LIGHT EMITTING DIODE
ASC	AMPS SHORT CIRCUIT	LF	LINEAR FEET (FOOT)
AT	AMPERE TRIP	LM	LUMEN
ATS	AUTOMATIC TRANSFER SWITCH	LP	LIGHT POLE
AUTO	AUTOMATIC	LPS	LOW PRESSURE SODIUM
AV	AUDIO VISUAL	LRA	LOCKED ROTOR AMPS
		LTC	LOCAL TEMPERATURE CONTROL PANEL
		LT	LIGHT
BAT	BATTERY	LTG	LIGHTING
BC	BARE COPPER	LTG PNL	LIGHTING PANEL
BD	BOARD	LTNG	LIGHTNING
BFF	BELOW FINISH FLOOR	LV	LOW VOLTAGE
BIL	BASIC INSULATION LEVEL		
BLDG	BUILDING	MATV	MASTER ANTENNA TELEVISION SYSTEM
BPP	BOILER PLANT INSTRUMENTATION PANEL	MAX	MAXIMUM
BRKR	BREAKER	MC	METAL-CLAD
BYP	BY PASS	MCA	MINIMUM CIRCUIT AMPS
		MCB	MAIN CIRCUIT BREAKER
C	CONDUIT	MCC	MOTOR CONTROL CENTER
CAB	CABINET	MDP	MAIN DISTRIBUTION PANEL
CALC	CALCULATE	MECH	MECHANICAL
CAP	CAPACITY	MG	MOTOR GENERATOR
CAT	CATALOG	MH	MANHOLE
CATV	COMMUNITY ANTENNA TELEVISION	MIN	MINIMUM
CCR	CONTROL CIRCUIT	MOCP	MAXIMUM OVERCURRENT PROTECTION
CCTV	CLOSED CIRCUIT TELEVISION	MLO	MAIN LUGS ONLY
cd	CANDELA	MT	MOUNT
cd	CONSTRUCTION DOCUMENTS	MTD	MOUNTED
CF	CONTRACTOR FURNISHED	MTG	MOUNTING
CF/CI	CONTRACTOR FURNISHED/CONTRACTOR INSTALLED	MTS	MANUAL TRANSFER SWITCH
CF/OI	CONTRACTOR FURNISHED/OWNER INSTALLED	NV	NIGHT LIGHT
		NWA	NEGATIVE WATT-AMPERE
CTE	CONTRACTOR FURNISHED EQUIPMENT	NW	MEGAWATT MICROWAVE
CHW	CHILLED WATER	NA	NOT APPLICABLE
CHWP	CHILLED WATER PUMP	NEC	NATIONAL ELECTRICAL CODE
CKT	CIRCUIT	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
CKT BRKR	CIRCUIT BREAKER	NEUT OR N	NEUTRAL
CLF	CURRENT LIMITING FUSE	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
CLG	CEILING	NI	NOT IN CONTRACT
CMU	CONCRETE MASONRY UNIT	NIC	NIGHT LIGHT
COAX	COAX CABLE	NL	NIGHT LIGHT
COMM	COMMUNICATION	NO	NORMALLY OPEN
COMPT	COMPARTMENT	NS	NO SCALE
CONC	CONCRETE	NTS	NOT TO SCALE
CONT	CONTINUE	OC	ON CENTER
CONTR	CONTRACTOR	OD	OUTSIDE DIAMETER
COORD	COORDINATE	OL	OVERLOAD
CPT	CONTROL POWER TRANSFORMER	P	POLE
CRI	COLOR RENDERING INDEX	PA	PUBLIC ADDRESS
CT	CURRENT TRANSFORMER	PB	PANELBOARD, PULL BOX, OR PUSHBUTTON
CTV	CABLE TELEVISION	PBRU	PREFABRICATED BEDSIDE PATIENT UNIT
CU	COPPER	PCB	POLYCHLORINATED BIPHENYL
PBRU	PREFABRICATED BEDSIDE PATIENT UNIT	PEC	PHOTOELECTRIC CELL
PCB	POLYCHLORINATED BIPHENYL	PE	PEDESTAL
PEC	PHOTOELECTRIC CELL	PEND	PENDANT
PE	PEDESTAL	PF	PENDANT FACTOR
PEND	PENDANT	PH	PHASE
PCB	PREFABRICATED BEDSIDE PATIENT UNIT	PNL	PANEL
POT	POTENTIAL TRANSFORMER	POD	POWER OPERATED DAMPER
PTRV	POTENTIAL TRANSFORMER	PT	POTENTIAL TRANSFORMER
PVC	POLYVINYL CHLORIDE (PLASTIC)	PTRV	POTENTIAL TRANSFORMER
PWR	POWER	PVC	POLYVINYL CHLORIDE (PLASTIC)
		PWR	POWER
		RCP	REFLECTED CEILING PLAN
		REC	RECESSED
		RECP	RECEIPT
		RGS	RIGID GALVANIZED STEEL
		RM	ROOM
		RMS	ROOT MEAN SQUARE
		REQD	REQUIRED
		SCC	SHORT CIRCUIT CAPACITY
		SES	SERVICE ENTRANCE SECTION
		SD	SMOKE DETECTOR
		SF	SQUARE FOOT (FEET)
		SHT	SHEET
		SI	INTERNATIONAL SYSTEM OF UNITS
		SPEC	SPECIFICATION
		SPST	SINGLE POLE, SINGLE THROW
		SURF	SURFACE
		SW	SWITCH
		SWB	SWITCHBOARD
		SWGR	SWITCHGEAR
		TC	TIME CLOCK
		TEL	TELEPHONE
		TP	TWISTED PAIR
		TPS	TWISTED PAIR SHIELDED
		TIB	TELEPHONE TERMINAL BOARD
		TV	TELEVISION
		TYP	TYPICAL
		UFD	UNDERFLOOR DUCT
		UGND	UNDERGROUND
		UL	UNDERWRITERS LABORATORY
		UN	UNLESS OTHERWISE NOTED
		UPS	UNINTERRUPTIBLE POWER SUPPLY
		UTIL	UTILITY
		V	VOLT
		VA	VOLT AMPERE
		VAR	VOLT AMPERE REACTIVE
		VFD	VARIABLE FREQUENCY DRIVE
		VOLT	VOLTAGE
		W	WATT
		WH	WATER HEATER
		WP	WEATHERPROOF
		XFR	TRANSFER
		XFR	TRANSFORMER

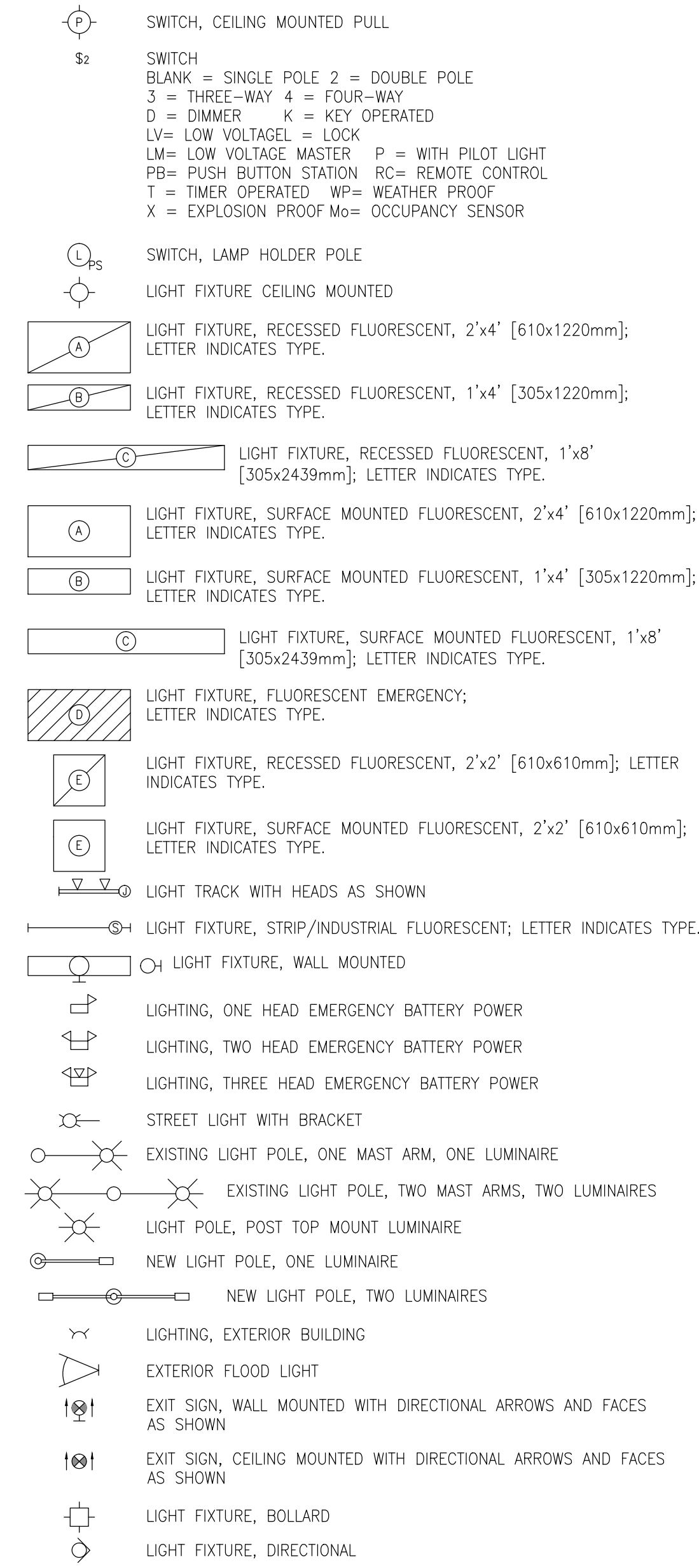
ELECTRICAL SYMBOLS - DIAGRAM



ELECTRICAL SYMBOLS - POWER PLAN



ELECTRICAL SYMBOLS - LIGHTING PLAN



GENERAL NOTES

A. CONTRACTORS AND SUB-CONTRACTORS SHALL CAREFULLY REVIEW ALL CONSTRUCTION DOCUMENTS. INFORMATION REGARDING THE COMPLETE SCOPE OF WORK IS DISPERSED THROUGHOUT THE DOCUMENT SET AND CANNOT BE ACCURATELY DETERMINED WITHOUT REFERENCE TO THE COMPLETE DRAWING SET.

GENERAL NOTES - DEMOLITION

A. EXISTING EQUIPMENT, SUCH AS LIGHTING FIXTURES, WIRING DEVICES, CONDUITS, ETC., SHOWN ON PLANS TO BE REMOVED COMPLETELY. CUT/CAP CONDUITS AT THE AREA OF WORK PERIMETER AND REMOVE CONDUIT WITHIN THE WORK AREA, DISCONNECT WIRING AT THE OVERCURRENT PROTECTIVE DEVICE AND REMOVE WIRING COMPLETELY FROM THE ABANDONED CONDUITS.

B. REMOVE ALL ACCESSIBLE ABANDONED WIRING OF ALL TYPES, OR CAP AND LABEL IN JUNCTION BOX FOR RE-USE, IN COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE.

C. MAINTAIN AND RESTORE, IF INTERRUPTED, ALL CONDUITS AND CONDUCTORS PASSING THROUGH RENOVATED AREAS AND SERVICING UNDISTURBED AREAS.

D. VERIFY FIELD MEASUREMENTS AND CIRCUITING SHOWN ON DRAWINGS. DEMOLITION DRAWINGS ARE BASED ON CASUAL FIELD OBSERVATION. REPORT DISCREPANCIES TO OWNER BEFORE DISTURBING EXISTING INSTALLATION.

E. COORDINATE UTILITY SERVICE SHUT-DOWN (IF REQUIRED) WITH THE OWNER / OWNER'S REPRESENTATIVE. NOTIFY THE OWNER AT LEAST 72 HOURS PRIOR TO DISABLING ANY EXISTING ELECTRICAL SYSTEM.

F. PROVIDE TEMPORARY WIRING AND CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION.






G. REMOVE AND RELOCATE EXISTING ELECTRICAL WORK AS INDICATED ON THE DRAWINGS AND AS NOTED.

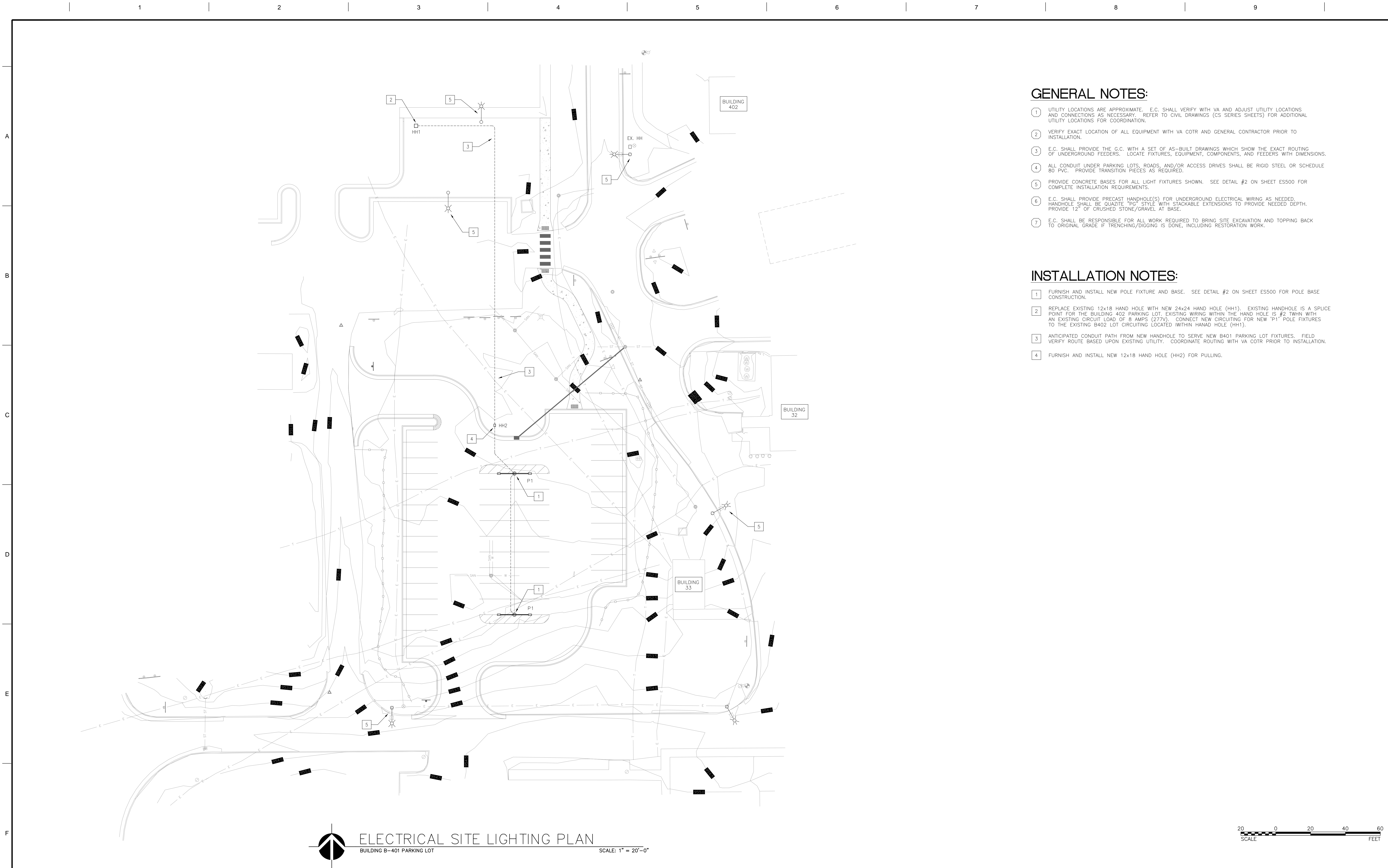
H. REPAIR ADJACENT CONSTRUCTION AND FINISHES DAMAGED DURING DEMOLITION AND EXTENSION OF WORK. CLEAN AND REPAIR EXISTING MATERIALS AND EQUIPMENT THAT WILL REMAIN OR ARE TO BE REUSED.

I. THE ELECTRICAL CONTRACTOR IS REQUIRED TO VISIT THE SITE AND TAKE NOTE OF ALL EXISTING CONDITIONS WHICH MAY AFFECT HIS WORK AND HE SHALL BE RESPONSIBLE FOR ALL EXISTING CONDITIONS UPON PREPARATION OF HIS BID. LACK OF INFORMATION REGARDING EXISTING SITE CONDITIONS OR FAILURE TO VISIT THE SITE PRIOR TO BID PREPARATION SHALL NOT BE ALLOWED AS A VALID CAUSE FOR ADDITIONAL COMPENSATION.

20 0 20 40 60
SCALE FEET

CONSTRUCTION DOCUMENTS
NOVEMBER 20, 2012

Revisions:	Date		Dept. of Veterans Affairs Medical Center 500 E. Veterans Street Tomah, WI, 54660		CONSULTANTS:  CMG & ASSOCIATES, INC. 138 WEST HOLM STREET DEFOREST, WISCONSIN 53532 (608) 842-0700 SUSTAINABLE ENGINEERS AND COMMISSIONING CONSULTANTS	PROJECT LEADER & CIVIL ENGINEERS:  ASHLAND, WI 211 6TH STREET WEST ASHLAND, WI 54806 PHONE: (715) 682-6004 FAX: (715) 682-6025 MILWAUKEE, WI 833 N. MAYFAIR RD. SUITE 100 MILWAUKEE, WI 53226 PHONE: (414) 258-6004 FAX: (414) 258-6154	Drawing Title Symbols, Abbreviations and General Notes Approved: Project Director	Project Title Construct Parking Lot B-401	Location Tomah, Wisconsin	Date 20 Nov. 2012	Checked By: J. Flaherty	Drawn By: J. Flaherty	Project Number 676-12-025	Building Number 401	Drawing Number ES000	Office of Facilities Management 
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GENERAL NOTES:

- UTILITY LOCATIONS ARE APPROXIMATE. E.C. SHALL VERIFY WITH VA AND ADJUST UTILITY LOCATIONS AND CONNECTIONS AS NECESSARY. REFER TO CIVIL DRAWINGS (CS SERIES SHEETS) FOR ADDITIONAL UTILITY LOCATIONS FOR COORDINATION.
- VERIFY EXACT LOCATION OF ALL EQUIPMENT WITH VA COTR AND GENERAL CONTRACTOR PRIOR TO INSTALLATION.
- E.C. SHALL PROVIDE THE G.C. WITH A SET OF AS-BUILT DRAWINGS WHICH SHOW THE EXACT ROUTING OF UNDERGROUND FEEDERS. LOCATE FIXTURES, EQUIPMENT, COMPONENTS, AND FEEDERS WITH DIMENSIONS.
- ALL CONDUIT UNDER PARKING LOTS, ROADS, AND/OR ACCESS DRIVES SHALL BE RIGID STEEL OR SCHEDULE 80 PVC. PROVIDE TRANSITION PIECES AS REQUIRED.
- PROVIDE CONCRETE BASES FOR ALL LIGHT FIXTURES SHOWN. SEE DETAIL #2 ON SHEET ES500 FOR COMPLETE INSTALLATION REQUIREMENTS.
- E.C. SHALL PROVIDE PRECAST HANDHOLE(S) FOR UNDERGROUND ELECTRICAL WIRING AS NEEDED. HANDHOLE SHALL BE QUARTZITE "PG" STYLE WITH STACKABLE EXTENSIONS TO PROVIDE NEEDED DEPTH. PROVIDE 12" OF CRUSHED STONE/GRAVEL AT BASE.
- E.C. SHALL BE RESPONSIBLE FOR ALL WORK REQUIRED TO BRING SITE EXCAVATION AND TOPPING BACK TO ORIGINAL GRADE IF TRENCHING/DIGGING IS DONE, INCLUDING RESTORATION WORK.

INSTALLATION NOTES:

- FURNISH AND INSTALL NEW POLE FIXTURE AND BASE. SEE DETAIL #2 ON SHEET ES500 FOR POLE BASE CONSTRUCTION.
- REPLACE EXISTING 12x18 HAND HOLE WITH NEW 24x24 HAND HOLE (HH1). EXISTING HANDHOLE IS A SPLICE POINT FOR THE BUILDING 402 PARKING LOT. EXISTING WIRING WITHIN THE HAND HOLE IS #2 TWHN WITH AN EXISTING CIRCUIT LOAD OF 8 AMPS (277V). CONNECT NEW CIRCUITING FOR NEW 'P1' POLE FIXTURES TO THE EXISTING B402 LOT CIRCUITING LOCATED WITHIN HAND HOLE (HH1).
- ANTICIPATED CONDUIT PATH FROM NEW HANDHOLE TO SERVE NEW B401 PARKING LOT FIXTURES. FIELD VERIFY ROUTE BASED UPON EXISTING UTILITY. COORDINATE ROUTING WITH VA COTR PRIOR TO INSTALLATION.
- FURNISH AND INSTALL NEW 12x18 HAND HOLE (HH2) FOR PULLING.

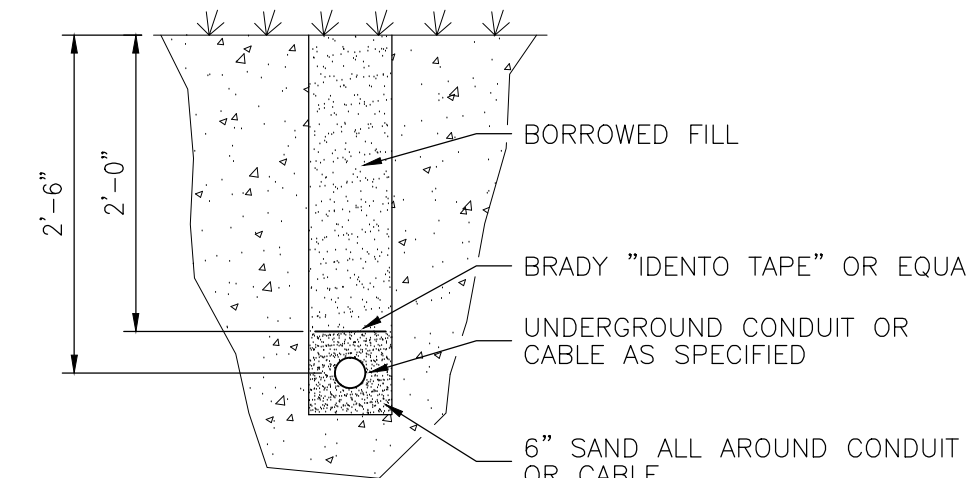
Revisions:	Date	 Dept. of Veterans Affairs Medical Center 500 E. Veterans Street Tomah, WI, 54660		CONSULTANTS:	PROJECT LEADER & CIVIL ENGINEERS:	Drawing Title	Project Title	Project Number	Office of Facilities Management
				 CMG & ASSOCIATES, INC. 138 WEST HOLM STREET DEFOREST, WISCONSIN 53532 (908) 842-0700 SUSTAINABLE ENGINEERS AND COMMISSIONING CONSULTANTS	 CHEQUAMEGON BAY ENGINEERING, INC. © CMG 2002-2010 ASHLAND, WI 211 6TH STREET WEST ASHLAND, WI 54808 PHONE: (715) 682-8004 FAX: (715) 682-8025 MILWAUKEE, WI 833 N. MAYFAIR RD., SUITE 100 MILWAUKEE, WI 53228 PHONE: (414) 258-8004 FAX: (414) 258-8154	Site Lighting Plan Building B-401 Parking Lot	Construct Parking Lot B-401	676-12-025	
						Approved: Project Director	Location Tomah, Wisconsin	Building Number 401	Department of Veterans Affairs
						Date 20 Nov. 2012	Checked By: J. Flaherty	Drawing Number ES100	

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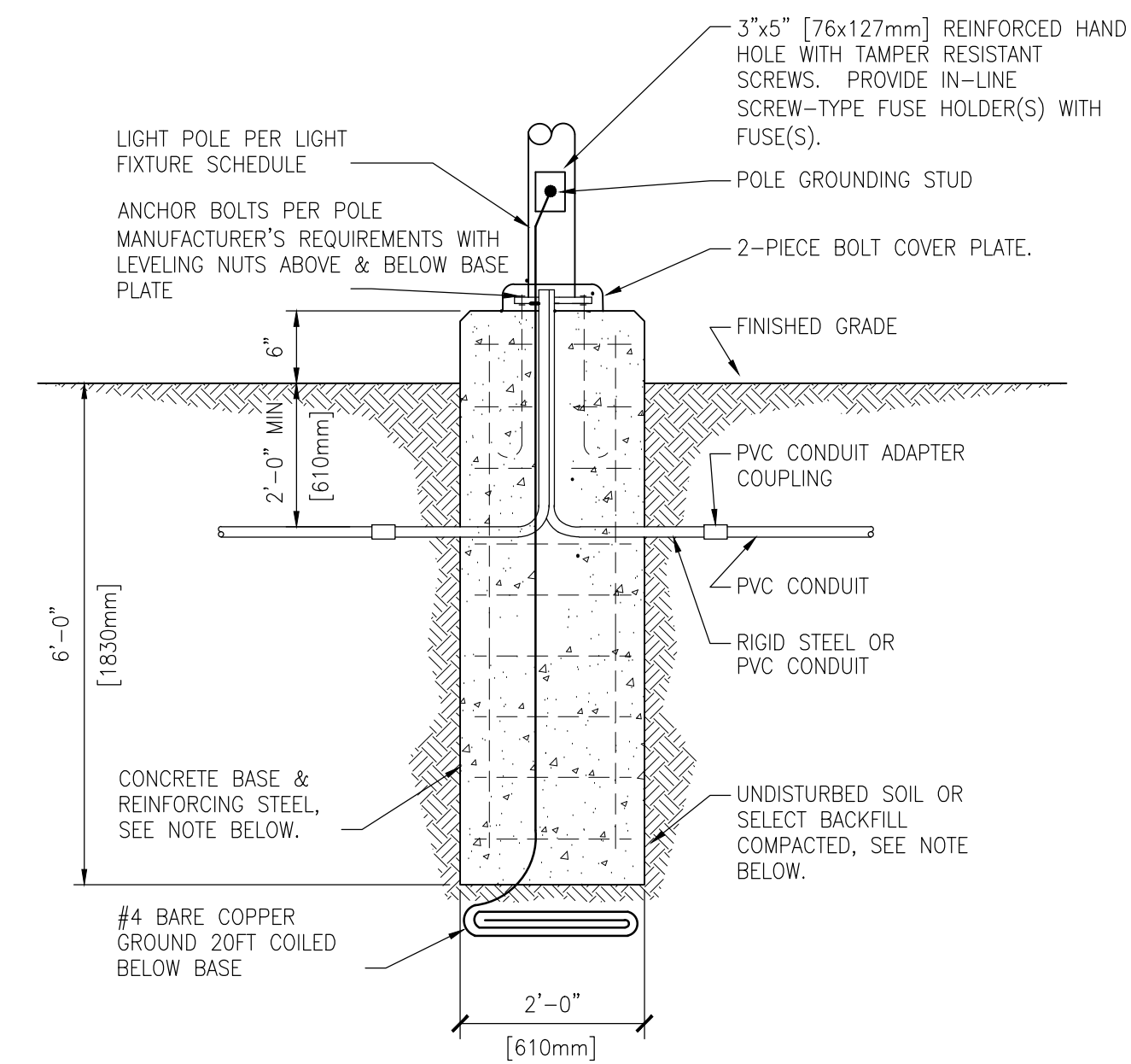
1. ALL FIXTURES SHALL BE PAINTED AFTER FABRICATION.
2. VERIFY ALL FIXTURE COLORS, PATTERNS, FINISHES WITH ARCHITECT / OWNER PRIOR TO ORDERING.
3. PROVIDE ALL MOUNTING ACCESSORIES, HARDWARE, HANGERS, ETC. NEEDED TO COMPLETE INSTALLATION. COORDINATE SLIPFITTER AND TENON SIZE WITH POLE AND FIXTURE AS REQUIRED.

1. PROVIDE COMPLETE WITH HAPCO MODEL "RTA25" 25'-0" ALUMINUM POLE WITH TWO (2) BACK-TO-BACK 8'-0" OUTREACHES AND 4-BOLT PATTERN.
2. FINISH: SATIN FINISH TO MATCH EXISTING.

FEEDER SCHEDULE													
CIRCUIT BREAKER AMPS	COPPER PHASE CONDUCTOR 3ø, 3W	CONDUIT SIZE	CIRCUIT BREAKER AMPS	COPPER PHASE CONDUCTOR 3ø, 4W	CONDUIT SIZE	EQUIPMENT GROUND	CIRCUIT BREAKER AMPS	COPPER PHASE CONDUCTOR 3ø, 3W	CONDUIT SIZE	CIRCUIT BREAKER AMPS	COPPER PHASE CONDUCTOR 3ø, 4W	CONDUIT SIZE	EQUIPMENT GROUND
15	3 #14	3/4"	15	4 #14	3/4"	#14	175	3 #2/0	2"	175	4 #2/0	2"	#6
20	3 #12	3/4"	20	4 #12	3/4"	#12	200	3 #3/0	2"	200	4 #3/0	2"	#6
25	3 #10	3/4"	25	4 #10	3/4"	#10	225	3 #4/0	2"	225	4 #4/0	2 1/2"	#4
30	3 #10	3/4"	30	4 #10	3/4"	#10	250	3 250 KCMIL	2 1/2"	250	4 250 KCMIL	3"	#4
35	3 #8	3/4"	35	4 #8	3/4"	#10	300	3 350 KCMIL	3"	300	4 350 KCMIL	3"	#4
40	3 #8	3/4"	40	4 #8	3/4"	#10	350	3 500 KCMIL	3"	350	4 500 KCMIL	3 1/2"	#3
45	3 #8	3/4"	45	4 #8	3/4"	#10	400	3 600 KCMIL	3 1/2"	400	4 600 KCMIL	4"	#3
50	3 #8	3/4"	50	4 #8	3/4"	#10	450	2 SETS 3 #4/0	(2) 2"	450	4 SETS 3 #4/0	(2) 2 1/2"	#2
60	3 #6	1"	60	4 #6	1"	#10	500	2 SETS OF 3 250 KCMIL	(2) 2 1/2"	500	2 SETS OF 4 250 KCMIL	(2) 3"	#2
70	3 #4	1"	70	4 #4	1 1/4"	#8	600	2 SETS OF 3 350 KCMIL	(2) 3"	600	2 SETS OF 4 350 KCMIL	(2) 3"	#1
80	3 #4	1 1/4"	80	4 #4	1 1/4"	#8	700	2 SETS OF 3 500 KCMIL	(2) 3"	700	2 SETS OF 4 500 KCMIL	(2) 3 1/2"	#1/0
90	3 #3	1 1/4"	90	4 #3	1 1/4"	#8	800	2 SETS OF 3 600 KCMIL	(2) 3 1/2"	800	2 SETS OF 4 600 KCMIL	(2) 4"	#1/0
100	3 #3	1 1/4"	100	4 #3	1 1/4"	#8	1000	4 SETS OF 3 250 KCMIL	(4) 2 1/2"	1000	4 SETS OF 4 250 KCMIL	(4) 3"	#2/0
110	3 #2	1 1/4"	110	4 #2	1 1/2"	#6	1200	4 SETS OF 3 350 KCMIL	(4) 3"	1200	4 SETS OF 4 350 KCMIL	(4) 3"	#3/0
125	3 #1	1 1/2"	125	4 #1	1 1/2"	#6	1600	4 SETS OF 3 600 KCMIL	(4) 3 1/2"	1600	4 SETS OF 4 600 KCMIL	(4) 4"	#4/0
150	3 #1/0	1 1/2"	150	4 #1/0	2"	#6	2000	6 SETS OF 3 500 KCMIL	(6) 3"	2000	6 SETS OF 4 500 KCMIL	(6) 3 1/2"	250 KCMIL

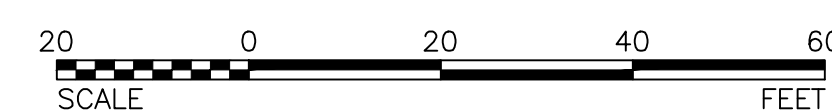


1 C
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2 — PCNTS

NOTE:
BACKFILL, CONCRETE, REINFORCING STEEL, AND ANCHOR BOLTS ARE SHOWN FOR
REFERENCE ONLY. STRUCTURAL DESIGN IS SHOWN ON STRUCTURAL DRAWINGS.



Office of
Facilities
Management




Dept. of Veterans Affairs
Medical Center
500 E. Veterans Street
Tomah, WI, 54660



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SUITE 109
MILWAUKEE, WI, 532.
PHONE: (414) 258-6000
FAX: (414) 258-6160

Electrical Details and Schedules

Approved: Project Director

Construct Parking Lot B-401

Location	Tomal
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Checked By:	J. Flaherty
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Drawn By:
J. Flaherty

Project Number

676-12-025

Building Number
401

Drawing Number

ES500